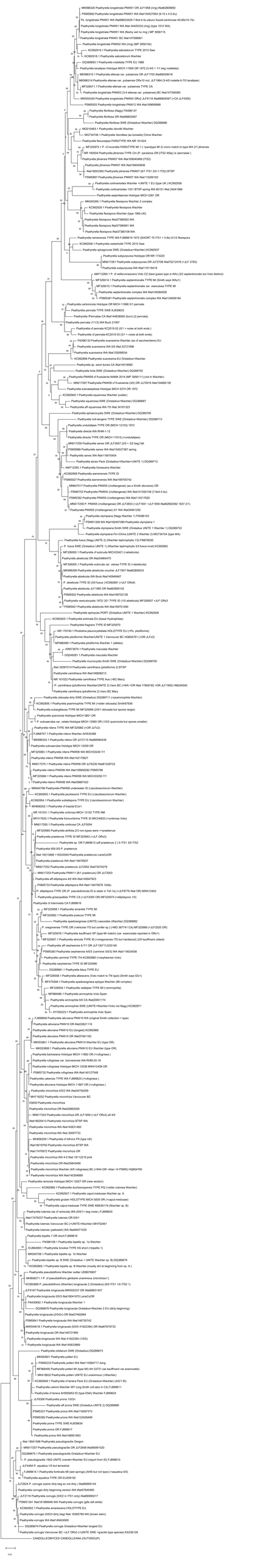
MK396320 Psathyrella longistriata PNW01 OR JLF1958 (ing) #Ref6290850
PSM5892 Psathyrella longistriata PNW01 WA Ref15452784 (9-10 x 4.5-5u)
Ps. longistriata PNW01 WA Ref6833429 7-8x4-4.5u (lower fossil-ventricose 45-60x10-15u
Psathyrella longistriata PNW01 WA Ref 3402033 (ring) (type 1912 WA)
Psathyrella longistriata PNW01 WA (fleshy veil no ring) LMP 3958115
Psathyrella longistriata PNW01 BC Ref447898561
Psathyrella longistriata PNW02 WA (ring) (MP 356104)
KC992918 Psathyrella subulatiorum TYPE 2015 Swe
KC992918.1 Psathyrella subulatiorum Wachter
OQ399693.1 Psathyrella rostellata TYPE EU 1986
Psathyrella lanatipes Holotype MICH 11958 OR 1972 (3-4/0 + 11 big rostellata)
MK996315.1 Psathyrella ellenae var. ellenae JLF1705 #Ref6290516
MK996314 Psathyrella ellenae var. yubesensis ORx10 incl. JLF1564 (3-4/0 rostella 6-7/0 lanatipes)
MF326011.1 Psathyrella ellenae var. yubesensis TYPE CA
Psathyrella longistriata PNW03 (3-4 ellenae var. yubesensis) BC Ref14736360
MN955340 Psathyrella longistriata PNW04 ORx2 JLF9118 #Ref6884397 (=CA JLF4300)
PSM5925 Psathyrella longistriata PNW12 WA Ref16969968
Psathyrella fibrilosa (Nagy) PNX96137
Psathyrella fibrilosa OR #Ref6853487
Psathyrella fibrilosa SWE (Ostadavi+Wachter) DQ389686
MG910463.1 Psathyrella olondii Wachter
MG734746.1 Psathyrella olondiea (olondii) China Wachter
Psathyrella flavoolpes PARATYPE WA NR 161024
MF326075.1 P. cf incondita PARATYPE M 1 (=paratype M 2) micro match to type WA 2/1 jfinnesis
NR 16004 Psathyrella jfinnesis TYPE CH (P. jurediva OR (ITS2 40bp) is terminate)
Psathyrella jfinnesis PNW07 WA Ref16904049 (ITS2)
Psathyrella jfinnesis PNW07 WA Ref16904638
Ref1600383 Psathyrella jfinnesis PNW07 (61 ITS1 2/0-1 ITS2) BTSP
PSM5897 Psathyrella jfinnesis PNW07 WA Ref15265163
Psathyrella corbinianiodes Wachter =UNITE 1 EU (type UK) KC992936
Psathyrella corbinianiodes 1/0/1 BTSP spring WA 8/01 Ref 24041966
Psathyrella sepiribaensis Holotype MICH 5391 OR
MK845306.1 Psathyrella flexispora Wachter 2 complex
KC992929.1 Psathyrella flexispora Wachter
Psathyrella flexispora Wachter (type 1960 UK)
Psathyrella flexispora Ref3738002 WA
Psathyrella flexispora Ref3738001 WA
Psathyrella flexispora Ref3738108 WA
Psathyrella rariamensis TYPE WA #J990619 10/2 (SHORT 70 ITS1 + 5.8s) 0/1/2 flexispora
KC992938.1 Psathyrella vestenholti TYPE 2015 Swe
Psathyrella sphagnicola SWE (Ostadavi+Wachter) KC992937
Psathyrella subpurpurea Holotype OR NR 172220
MN071261 Psathyrella subpurpurea OR JLF2708 Ref16212478 (=JLF 2793)
Psathyrella subpurpurea WA Ref1191164/19
AM772260.1 P. cf vellicumescens Voto CZ (bed guess type is WA) (32 septentronalis but Voto distinct)
MF326014.1 Psathyrella septentrionalis TYPE MI (Beth says WA+)
MF326015.1 Psathyrella septentrionalis var. vesiculosa TYPE MI
Psathyrella septentrionalis complex WA Ref10458439
PSM5381 Psathyrella septentrionalis complex WA Ref12458184
Psathyrella carbonicola Holotype OR MICH 11996 0/1 pennata
Psathyrella pennata TYPE SWE KJ939633
Psathyrella (Pennatae) CA Ref14483565 (burn) (2 pennata)
Psathyrella pennata (1/10) WA Bun 21097
Psathyrella cf pennata KC2019 02 (0/1 + noise at both ends)
Psathyrella cf pennata KC2019 03 (3/1 + noise at both ends)
FN396133 Psathyrella suavissima Wachter (as of saccharolentus) EU
Psathyrella suavissima WA 0/0 Ref 22721566
Psathyrella suavissima WA Ref12099934
KC992899 Psathyrella suavissima EU Ostadavi+Wachter
Psathyrella sp. sand dunes CA Ref14516560
Psathyrella fors SWE (Ostadavi+Wachter) DQ389702
Psathyrella PNW09 cf fuscata NAMA 2014 (MP 3956111) (not in Wachter)
MN071267 Psathyrella PNW09 cf fuscata(ria) (3/0 OR JLF5616 Ref16460139
Psathyrella subcaespitosa Holotype MICH 5374 OR 1972
KC992940.1 Psathyrella squamosa Wachter (outlier)
Psathyrella squamosa SWE (Ostadavi+Wachter) DQ389687
Psathyrella aff squamosa WA 7/0 Ref 3418123
Psathyrella sphaerocystis SWE (Ostadavi+Wachter) DQ389700
Psathyrella noli-tangere TYPE SWE (Ostadavi+Wachter) DQ389713
Psathyrella undulatipes TYPE OR (MICH 12103) 1972
Psathyrella directa WA RHM-1-12
Psathyrella directa TYPE OR (MICH 11913) (=undulatipes)
MN071259 Psathyrella sens OR JLF3507 (2/0 + 3/2 beg) fall
PSM5898 Psathyrella sensa WA Ref15457387 spring
Psathyrella sensa WA Ref11847454
Psathyrella sensa Peck (Ostadavi+Wachter+UNITE 1) DQ389712
AM772265.1 Psathyrella fulvescens Wachter
KC992966 Psathyrella warnensiss TYPE ID
PSM5927 Psathyrella warnensiss WA Ref16970742
MN047517 Psathyrella PNW05 (multigenes) (as a Smith alusiana) OR
PSM5753 Psathyrella PNW05 (multigenes) WA Ref14159218 (7-9x4.5-5u)
PSM5302 Psathyrella PNW05 (multigenes) WA Ref14217620
MN072268 P. PNW05 (multigenes) OR JLF2853 (=JLF1841 =JLF1959 Ref6280292 1837 2/1)
Psathyrella PNW05 (multigenes) 0/1 WA Ref4344128/2
Psathyrella olympiana (Nagy Wachter 1) FN396103
PSM5358 WA Ref14204739/ Psathyrella olympiana 1
Psathyrella olympiana Smith SWE (Ostadavi UNITE 1 Wachter 1) DQ389722
Psathyrella olympiana Fin=China (UNITE 2 Wachter 2) MG734724 (type WA)
Psathyrella fusca (Nagy UNITE 2) (Wachter tephrophylla 1/3) FM878030
P. fusca SWE (Ostadavi UNITE 1) (Wachter tephrophylla 3/3 fusca inv) KC992892
MF326005.1 Psathyrella cf subnuda MICH3421 (=atelesticia)
Psathyrella atelesticia OR Ref2466475
MF326005.1 Psathyrella subnuda var. velosa TYPE ID (=atelesticia)
MK996298 Psathyrella atelesticia vscolvar. JLF1957 Ref6280503
Psathyrella atelesticia WA Bun Ref14094947
P. atelesticia TYPE ID (3/0 fusca) KC992891 (=JLF ORx9)
Psathyrella atelesticia JLF1960 OR Ref6280142
PSM5922 Psathyrella atelesticia WA Ref16970128
Psathyrella vesiculocystis 1972/ 321 TYPE ID (1/0 atelesticia) MF326007 =JLF ORx3
PSM5921 Psathyrella atelesticia WA Ref16970129
Psathyrella epimyes PORT (Ostadavi UNITE 1 Wachter) KC992928
KC992925.1 Psathyrella echinata EU (basal Psphoriphae)
Psathyrella fragrans TYPE ID MF325970
NR 170140.1 Phototea pleurocystidiata HOLOTYPE EU (=Ps. pilulformis)
Psathyrella pilulformis Wachter/UNITE 1 Vancouver BC HQ664781 (=OR JLFx3)
MF686489.1 Psathyrella pilulformis Wachter 1 (alleles)
KR673679.1 Psathyrella maculata Wachter
OQ249261.1 Psathyrella maculata Wachter
Psathyrella mucrocystis Smith SWE (Ostadavi+Wachter) DQ389700
Ref 3509714 Psathyrella carnifolacia (pilulformis 2) BTSP
Psathyrella carnifolacia WA Ref14669213
NR 161022 Psathyrella carnifolacia TYPE Aus (=BC Mary)
Psathyrella carnifolacia (pilulformis Wachter/UNITE 2) Vanc BC (=WA =OR Ref 1785918 =OR JLF1950) HM240540
Psathyrella carnifolacia (pilulformis 2) Vanc BC Mary
Psathyrella atlasata dirty SWE (Ostadavi DQ389711 (=psammophila Wachter)
KC992956.1 Psathyrella psammophila TYPE MI (=older obtusata) Smith7836
Psathyrella suburgiliacea TYPE MI MF325999 (2/0/1 obtusata but spores larger)
Psathyrella quercicola Holotype MICH 5851 OR
P. subcaerulea var. velata Holotype MICH 12050 OR (1/0/2 quercicola but spores smaller)
Psathyrella ntera TYPE WA MF325982 (=OR JLF x2)
PJ968757.1 Psathyrella ntera Wachter AH93388
MK996324.1 Psathyrella ntera OR JLF3115 #ref6995439
Psathyrella subcaerulea Holotype MICH 12059 OR
MF325983.1 Psathyrella ntera PNW06 WA MICH33249 7/1
Psathyrella ntera PNW06 WA Ref14217927
MN071270.1 Psathyrella ntera PNW06 OR JLF6230 #ref6182722
Psathyrella ntera PNW06 WA Ref10990082 PSM5788
MF325984.1 Psathyrella ntera PNW06 WA MICH33250 7/1
Psathyrella ntera PNW06 WA Ref3968742
MN046796 Psathyrella PNW08 underwater ID (Jacobsonorium Wachter)
KC992955.1 Psathyrella jacobsonia TYPE EU (Jacobsonorium Wachter)
JC992954.1 Psathyrella subalpiniana TYPE EU (Jacobsonorium Wachter)
MH856292.1 Psathyrella cf trepida EU/1
NR 161031.1 Psathyrella umbrosa MICH 12102 TYPE NM
MF417925.1 Psathyrella fulvoumbrina TYPE ID MICH9833 (=umbrosa Voto)
MN071265.1 Psathyrella umbrosa CA JLF3004
MF325980 Psathyrella atrifolia 2/3 non-types were =paratenuis
Psathyrella praetenuis TYPE ID MF325993 (=JLF ORx3)
Psathyrella sp. OR FJ899612 (aff praetenuis 2) (1/T51 3/0 ITS2
Psathyrella 959 0/0 P. praetenuis
Ref 1831346 = 1633540 Psathyrella praetenuis LanecGrOR
Psathyrella praetenuis WA Ref1184780/7
MN071252 Psathyrella praetenuis JLF2002 Ref3750279
MN071253 Psathyrella PNW11 (8/1 praetenuis) OR JLF2003
Psathyrella aff elliptospora 4/0 WA Ref14094723
PSM5733 Psathyrella elliptospora WA Ref11847618 1b/6u
P. elliptospora TYPE OR (P. pseudolimicola ID is sister in Tef-1a) (=JLF876 Ref OR) MW412402
Psathyrella grisequalitis TYPE CA (=JLF2000 OR) MF325974 (=elliptospora 1/0)
Psathyrella cf intermedia CA FJ899616
MF325958.1 Psathyrella amanita TYPE MI
MF325992.1 Psathyrella praecox TYPE MI
Psathyrella spadicogrisea (UNITE) (cascades (Wachter) DQ389692
P. omigenensis TYPE OR (=atricola ITS but confer sp.) (=HM0 367/1 CA) MF325989 (=JLF2303 OR)
MF325978.1 Psathyrella kauffmanii SP (type MI match) (var. exannulata reported in ORx1)
MF325957.1 Psathyrella atricola TYPE ID (=nongenomic ITS but hardwood) (2/0 kauffmani oldest)
Psathyrella aff neyhesensis 6-7/1 OR JLF1507 FJ235146
PSM5383 Psathyrella oeyhesensis 4/0/3 (carinine 3/0/3) WA Ref11924556
Psathyrella carnine TYPE ITA KC992980 (=neyhesensis Voto)
Psathyrella neyhesensis TYPE ID MF325990
DQ396661.1 Psathyrella falcx TYPE EU
MF326006.1 Psathyrella albescens (Voto match to TN type) (Smith says IDx1)
MF579395.1 Psathyrella spadicogrisea epitype Wachter (98 complex)
MF326004.1 Psathyrella velatipes TYPE MI (=nannophila)
MF966486.1 Psathyrella annnophila Voto Spain
Psathyrella annnophila 6/0 CA Ref2000114
Psathyrella annnophila SWE (UNITE+Wachter+(Voto not Nagy) KC992871
KY302223.1 Psathyrella annnophila Voto Spain
FJ899609 Psathyrella alluviana PNW10 WA (original Smith collection = type)
Psathyrella alluviana PNW10 OR Ref3621116
Psathyrella alluviana PNW10 EU (longen) KC992868
Psathyrella alluviana PNW10 OR Ref3745118/2
MK053601.1 Psathyrella alluviana PNW10 Wachter EU (type OR)
MK053600.1 Psathyrella alluviana PNW10 EU Wachter (type OR)
Psathyrella bartowiana Holotype MICH 11882 OR (=fulgrisea)
Psathyrella rufogrisea var. bonnerensis WA RHM-20-18
Psathyrella rufogrisea Holotype MICH 12038 MW412408 OR
PSM5732 Psathyrella rufogrisea WA Ref14012754/8
Psathyrella uskensis TYPE WA FJ899625 (=fulgrisea)
Psathyrella alluviana Holotype MICH 11867 OR (=fulgrisea)
Psathyrella microrhiza 4/0/2 WA Ref4479209
MN719252 Psathyrella microrhiza Vancouver BC
03030 Psathyrella microrhiza
Psathyrella microrhiza OR Ref3582059
MN071242 Psathyrella microrhiza OR JLF1659 (=JLF ORx3) all 4/0
Ref18020413 Psathyrella microrhiza BTSP WA
Psathyrella microrhiza WA Ref14563/1460
Psathyrella microrhiza WA Ref 35597733
MH856259.1 Psathyrella cf bifons FR (type UK)
Ref16019783 Psathyrella microrhiza BTSP WA
Ref1743/912 Psathyrella microrhiza OR
Psathyrella microrhiza WA 4 0 Ref 1811219 pink
Psathyrella microrhiza OR Ref35843490
Psathyrella microrhiza Wachter (4/0 rufogrisea) BC (=WA=OR =Alan 14 PSM5) HQ604760
Psathyrella microrhiza WA Ref14024689
Psathyrella ramicola Holotype MICH 12027 OR (new section)
KC992969.1 Psathyrella duchesnayensis TYPE PQ (=color cotonea Wachter)
KC992927.1 Psathyrella caput-medusae Wachter sp. A
Psathyrella grubei HOLOTYPE MICH 5839 OR (=caput-medusae)
Psathyrella caput-medusae TYPE SWE KM503174 (Wachter sp. B)
Psathyrella lutensis (as cf rariniziki) WA (0/0/1+ beg noise) FJ899620
Ref1747923 Psathyrella lutensis OR 0/0/1
Psathyrella lutensis Vancouver BC (=UNITE+Wachter) MN732461
Psathyrella lutensis (yellowish) WA Ref6407/1535
Psathyrella bipellis 1 OR short FJ899618
FN396108.1 Psathyrella bipellis sp. 1a Wachter
EU664993.1 Psathyrella brookei TYPE KS short (=bipellis 1)
MN045706.1 Psathyrella bipellis sp. 1b Wachter
Psathyrella bipellis sp. B SWE (Ostadavi + UNITE Wachter sp. B) DQ389679
KC992985.1 Psathyrella bipellis sp. B Wachter (mostly dirt at beginning from sp. A)
Psathyrella pseudobifrons Wachter sulfur UDB07957
MH856271.1 P. cf pseudobifrons gerbank unanimous (microliut 1)
KC992889 P. pseudobifrons (Wachter) longiscata 2 (Ostadavi) (8/0 ITS1 1/0 ITS2 1)
JLF3167 Psathyrella longiscata MN555337 OR Ref6851457
Psathyrella longiscata 0/0/3 Ref1564157/ LanecGrOR
FN430602.1 Psathyrella longiscata Wachter 1
DQ389676 Psathyrella longiscata Ostadavi+Wachter 2 EU (dirty beginning)
Psathyrella longiscata (2/0/2n) OR Ref3746264
PSM5841 Psathyrella longiscata WA Ref14673/242
MN554618.1 Psathyrella longiscata (0/0/5 #1922394) OR Ref6787973
Psathyrella longiscata OR Ref14672199
Psathyrella longiscata WA Ref 4192239/4 (1/0/5)
Psathyrella longiscata WA Ref14563369
Psathyrella obtarium SWE (Ostadavi) DQ389673
MK383601 Psathyrella pottari EU
PSM5223 Psathyrella pottari WA Ref13584717 dung
MF966495 Psathyrella pottari MI (type MI) AH 33721 (as kauffmani var exannulata)
MK418632 Psathyrella pottari UNITE EU unanimous (=Wachter)
KC992945 1 Psathyrella cf teneca Peck EU (Ostadavi+Wachter) (4/0/1 ID)
Psathyrella calvini Wachter WY (org Smith coll also in CA) JF899611
Psathyrella cf teneca AH56583 ID (type ENA) Wachter FJ899624
JLF6308 Psathyrella prona 1/0/2n
Psathyrella aff prona SWE (Ostadavi UNITE 2) DQ389666
PSM5327 Psathyrella prona WA Ref11597373
PSM5362 Psathyrella prona WA Ref12402649
Psathyrella prona TYPE SWE KJ939624
Psathyrella prona OR FJ899617
Psathyrella prona WA Ref16895163
Ref 1804158 Psathyrella pseudogracilis Oregon
MN017257 Psathyrella pseudogracilis OR JLF2648 Ref6891520
DQ389675.1 Psathyrella pseudogracilis Ostadavi+Wachter EU
P. pseudogracilis 1952 UNITE (=ref=Wachter EU (import from ID) FJ899610
JLF4564 P. aquatica 1/0 but terrestial
FJ899614.1 Psathyrella fallenstiela Mt (wet springs) (AHS but not type) 2/0/1
Psathyrella aquatica TYPE OR EU329192
JLF3524 P. corrugis (same dirty beg as not dirty) Ref6995144
Psathyrella corrugis dirty beginning version WA Ref5764/5465
JLF2116 Psathyrella corrugis (5/0/2 in ITS1 only) Ref6995017
PSM5134/1 Ref16198994 WA Psathyrella corrugis (gills still white)
KC992952.1 Psathyrella amarescens HOLOTYPE EU
Psathyrella corrugis (0/0/2+dirty beg) Ref 16385789 WA (brown stem)
Psathyrella corrugis WA Ref14924/905
DQ389674 Psathyrella corrugis Ostadavi+Wachter longest EU
Psathyrella corrugis Vancouver BC =JLF ORx3 (=UNITE SWE =gracilis type species) KX238128
CANDOLLEOMYCES CANDOLLEANA (OUTGROUP)
0.02